

SCORE Search Results Details for Application 10687035 and Search Result 20080310_154559_us-10-687-035-1_copy_14_452.rapbn.

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This page gives you Search Results detail for the Application 10687035 and Search Result 20080310_154559_us-10-687-035-1_copy_14_452.rapbn.

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OM protein - protein search, using sw model

Run on: March 11, 2008, 01:50:38 ; Search time 29 Seconds
(without alignments)
157.489 Million cell updates/sec

Title: US-10-687-035-1_COPY_14_452
Perfect score: 2321
Sequence: 1 FTHRSSVSTTSTPGTPTVYL.....HGVTQLGFYVLDRLSLFNG 439

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 50444 seqs, 10403607 residues

Total number of hits satisfying chosen parameters: 50444

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_New:*
1: /ABSS/Data/CRF/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
2: /ABSS/Data/CRF/ptodata/2/pubpaa/US11_NEW_PUB.pep:*

Fred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	2301	99.1	1148	2 US-11-599-845A-124	Sequence 124, App

2	424	18.3	104	2	US-11-599-845A-128	Sequence 128, App
3	155	6.7	174	2	US-11-599-845A-126	Sequence 126, App
4	114.5	4.9	1475	2	US-11-537-311-346	Sequence 346, App
5	98	4.2	1395	2	US-11-779-243-105	Sequence 105, App
6	94	4.0	718	2	US-11-624-750-7	Sequence 7, Appli
7	92	4.0	1002	1	US-10-692-382-14	Sequence 14, Appl
8	91	3.9	1225	1	US-10-692-382-1063	Sequence 1063, Ap
9	91	3.9	1242	1	US-10-692-382-1065	Sequence 1065, Ap
10	91	3.9	1242	1	US-10-692-382-1073	Sequence 1073, Ap
11	91	3.9	1645	2	US-11-812-518-364	Sequence 364, App
12	91	3.9	2074	2	US-11-812-518-365	Sequence 365, App
13	91	3.9	2224	2	US-11-812-518-392	Sequence 392, App
14	91	3.9	2224	2	US-11-812-518-393	Sequence 393, App
15	90.5	3.9	2944	2	US-11-820-004-92	Sequence 92, Appl
16	90	3.9	683	2	US-11-624-750-5	Sequence 5, Appli
17	88.5	3.8	10498	2	US-11-614-716-440	Sequence 440, App
18	88	3.8	555	2	US-11-809-365-8	Sequence 8, Appli
19	87.5	3.8	480	1	US-10-692-382-658	Sequence 658, App
20	87	3.7	570	2	US-11-809-365-4	Sequence 4, Appli
21	87	3.7	974	2	US-11-165-424-161	Sequence 161, App
22	87	3.7	1459	2	US-11-820-004-69	Sequence 69, Appl
23	86.5	3.7	2225	1	US-10-692-382-2426	Sequence 2426, Ap
24	86	3.7	683	2	US-11-624-750-6	Sequence 6, Appli
25	86	3.7	686	2	US-11-624-750-19	Sequence 19, Appl
26	86	3.7	686	2	US-11-624-750-21	Sequence 21, Appl
27	86	3.7	754	1	US-10-692-382-3488	Sequence 3488, Ap
28	86	3.7	754	1	US-10-692-382-3492	Sequence 3492, Ap
29	86	3.7	790	1	US-10-692-382-3490	Sequence 3490, Ap
30	86	3.7	790	1	US-10-692-382-3494	Sequence 3494, Ap
31	86	3.7	1730	1	US-10-692-382-478	Sequence 478, App
32	86	3.7	2213	1	US-10-692-382-2431	Sequence 2431, Ap
33	85.5	3.7	5858	1	US-10-585-725-82	Sequence 82, Appl
34	85	3.7	555	2	US-11-809-365-2	Sequence 2, Appli
35	85	3.7	555	2	US-11-809-365-6	Sequence 6, Appli
36	85	3.7	585	2	US-11-779-243-162	Sequence 162, App
37	85	3.7	585	2	US-11-779-243-165	Sequence 165, App
38	85	3.7	1471	1	US-10-692-382-1056	Sequence 1056, Ap
39	84.5	3.6	878	1	US-10-692-382-532	Sequence 532, App
40	84.5	3.6	878	1	US-10-692-382-534	Sequence 534, App
41	84.5	3.6	3089	2	US-11-820-004-76	Sequence 76, Appl
42	84	3.6	2162	1	US-10-692-382-2884	Sequence 2884, Ap
43	84	3.6	2162	1	US-10-692-382-2888	Sequence 2888, Ap
44	83.5	3.6	503	1	US-10-560-103-4	Sequence 4, Appli
45	83.5	3.6	548	2	US-11-656-495-5811	Sequence 5811, Ap

ALIGNMENTS

RESULT 1

US-11-599-845A-124

; Sequence 124, Application US/11599845A

; Publication No. US20080025981A1

; GENERAL INFORMATION:

; APPLICANT: Young, Paul E.

```
; APPLICANT: Ebner, Reinhard
; APPLICANT: Weaver, Zoe
; APPLICANT: Strovel, Jeffrey W.
; APPLICANT: Horrigan, Stephen K.
; APPLICANT: Shea, Martin
; APPLICANT: Weigle, Bernd
; APPLICANT: Rieger, Michael
; APPLICANT: Rick, Jennifer A.
; APPLICANT: Cain, Colyn B.
; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
; FILE REFERENCE: 689290-273
; CURRENT APPLICATION NUMBER: US/11/599,845A
; CURRENT FILING DATE: 2006-11-15
; PRIOR APPLICATION NUMBER: 10/585,466
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: PCT/US2005/000040
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: 10/583,832
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: PCT/US2004/42406
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 10/575,337
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US2004/33072
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: 10/540,310
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/US2003/40710
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: 10/518,039
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: PCT/US2003/19741
; PRIOR FILING DATE: 2003-06-10
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 769
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 124
; LENGTH: 1148
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-599-845A-124
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Query Match 99.1%; Score 2301; DB 2; Length 1148;
 Best Local Similarity 99.5%; Pred. No. 9.2e-197;
 Matches 437; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy      1  FTHRSSVSTSTPGTPTVYLGASKTPASIFGPSAASHLLILFTLNFTITNLRYEENMWPG 60
      |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      393 FTHRSSVSTSTPGTPTVYLGASKTPASIFGPSAASHLLILFTLNFTITNLRYEENMWPG 452

Qy      61  SRKFNTTIERVLQGLLRPLFKNTSVGPLYSGCRLTLRPEKDGATGVDAICTHRPDPTGP 120
      |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      453 SRKFNTTIERVLQGLLRPLFKNTSVGPLYSGSRLTLRPEKDGATGVDAICTHRPDPTGP 512

Qy      121 GLDREQLYLELSQLTHSITELGPYTLDRDSLTVNGFTHRSSVPTTSTGVVSEEPFTLNFT 180
```

Db	513	GLDREQLYLELSQLTHSITELGPYTLDRDSLTVNGFTHRSSVPTTSTGVVSEEPFTLNFT	572
Qy	181	INNLRYMADMGQPGSLKFNITDNVMKHLSPLEQRSSLGARYTGCVRVIALRSVKNGAETR	240
Db	573	INNLRYMADMGQPGSLKFNITDNVMKHLSPLEQRSSLGARYTGCVRVIALRSVKNGAETR	632
Qy	241	VDLLCTYLQPLSGPLPIKQVFHELSSQQTGHGITRLGPYSLDKDSLYLNGYNPEGDPDEPT	300
Db	633	VDLLCTYLQPLSGPLPIKQVFHELSSQQTGHGITRLGPYSLDKDSLYLNGYNPEGDPDEPT	692
Qy	301	TPKPATTFPLPPLSEATTAMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLLR	360
Db	693	TPKPATTFPLPPLSEATTAMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLLR	752
Qy	361	PLFQKSSMGFFYLGCQLISLRPEKDGAATGVDTTCTYHPDPVGPGLDIQQLYWELSQLTH	420
Db	753	PLFQKSSMGFFYLGCQLISLRPEKDGAATGVDTTCTYHPDPVGPGLDIQQLYWELSQLTH	812
Qy	421	GVTQLGFYVLDRLDSLFIN	439
Db	813	GVTQLGFYVLDRLDSLFIN	831

RESULT 2

US-11-599-845A-128

; Sequence 128, Application US/11599845A

; Publication No. US20080025981A1

; GENERAL INFORMATION:

; APPLICANT: Young, Paul E.

; APPLICANT: Ebner, Reinhard

; APPLICANT: Weaver, Zoe

; APPLICANT: Strovel, Jeffrey W.

; APPLICANT: Horrigan, Stephen K.

; APPLICANT: Shea, Martin

; APPLICANT: Weigle, Bernd

; APPLICANT: Rieger, Michael

; APPLICANT: Rick, Jennifer A.

; APPLICANT: Cain, Colyn B.

; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy

; FILE REFERENCE: 689290-273

; CURRENT APPLICATION NUMBER: US/11/599,845A

; CURRENT FILING DATE: 2006-11-15

; PRIOR APPLICATION NUMBER: 10/585,466

; PRIOR FILING DATE: 2005-01-04

; PRIOR APPLICATION NUMBER: PCT/US2005/000040

; PRIOR FILING DATE: 2005-01-04

; PRIOR APPLICATION NUMBER: 10/583,832

; PRIOR FILING DATE: 2004-12-16

; PRIOR APPLICATION NUMBER: PCT/US2004/42406

; PRIOR FILING DATE: 2004-12-16

; PRIOR APPLICATION NUMBER: 10/575,337

; PRIOR FILING DATE: 2004-10-07

; PRIOR APPLICATION NUMBER: PCT/US2004/33072

; PRIOR FILING DATE: 2004-10-07

```

; PRIOR APPLICATION NUMBER: 10/540,310
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/US2003/40710
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: 10/518,039
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: PCT/US2003/19741
; PRIOR FILING DATE: 2003-06-10
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 769
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 128
;   LENGTH: 104
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-599-845A-128

```

```

Query Match      18.3%; Score 424; DB 2; Length 104;
Best Local Similarity 81.7%; Pred. No. 3.2e-31;
Matches    85; Conservative    2; Mismatches    3; Indels    14; Gaps    2;

```

```

Qy      302 PKPATTFLPPLSEATTAMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLLRP 361
          |||
Db      1 PKPATTFLPPLSEATTAMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLLRP 60
          |||

Qy      362 LFQKSSMGPFYLGCLISLRPEKDGAATGVDITCTYHPDPVPGP 405
          |||
Db      61 LFQKSSMGPFYLGCLISLR-----LCT--PEFINPG 90
          |||

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RESULT 3

```

US-11-599-845A-126
; Sequence 126, Application US/11599845A
; Publication No. US20080025981A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul E.
; APPLICANT: Ebner, Reinhard
; APPLICANT: Weaver, Zoe
; APPLICANT: Strovel, Jeffrey W.
; APPLICANT: Horrigan, Stephen K.
; APPLICANT: Shea, Martin
; APPLICANT: Weigle, Bernd
; APPLICANT: Rieger, Michael
; APPLICANT: Rick, Jennifer A.
; APPLICANT: Cain, Colyn B.
; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
; FILE REFERENCE: 689290-273
; CURRENT APPLICATION NUMBER: US/11/599,845A
; CURRENT FILING DATE: 2006-11-15
; PRIOR APPLICATION NUMBER: 10/585,466
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: PCT/US2005/000040
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: 10/583,832
; PRIOR FILING DATE: 2004-12-16

```



```

; FILE REFERENCE: P1948R1C1
; CURRENT APPLICATION NUMBER: US/11/537,311
; CURRENT FILING DATE: 2006-09-29
; PRIOR APPLICATION NUMBER: US 10/370,715
; PRIOR FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 60/359,461
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 742
; SEQ ID NO 346
; LENGTH: 1475
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-537-311-346

```

Query Match 4.9%; Score 114.5; DB 2; Length 1475;
 Best Local Similarity 19.3%; Pred. No. 0.042;
 Matches 80; Conservative 53; Mismatches 149; Indels 133; Gaps 16;

```

Qy      17 TVYLGASKTPASIFGSPAASHLLILFTLNFTITNLR-----YEENMWPGSRKFNTTE 68
      :|| | ||: | || | ||: || | : |
Db      380 SVYFKPSLTPSG-----EFRKTNQRIDNKCSTGYEKNMTPGQNR----E 419

Qy      69 RVLQGLLRPLFKNTSVGPLYSGCRLTLLRPEKDGEATGVDAICTHRPDTGPGLDREQLY 128
      : | | | | : | : || | | | : :
Db      420 QRESGFSPYNFS-----LPAANGLSSGVGG-----GGGKMRRERH 454

Qy      129 LELSQLTHSITELGPTYTLDRDSLYVNGFTHRSSVPT---TSTGVVSEEPFTLNFT--INN 183
      : : | : | : ||: || : : | : : |
Db      455 AFVASKPLEEEEMEVPVLPKISLPITS---SSLPTNFSSPEITTSFSPINSSQALTN 510

Qy      184 LRYMADMGPQGLSKFNITDNVMKHLSPFLQRSSSLGARYTGCRVIALRSVKNGAETRVDL 243
      | | | : : ||: || : | : : |
Db      511 KVQMTSPSSGSPMFKFSSPIVKSTEANVLPSSIG--FTFSVPVAKTAELSGSSST--- 565

Qy      244 LCTYLQPLSGPLPIKQVFHELSSQQTHGITRL-----GPY---SLDKDSLY 286
      |:| | : | | : | : |: | : |
Db      566 ----LEPI-----ISSAHHVTTVNSTNCKKTPPEDCEGFPRPAEILKEGSV 608

Qy      287 LNGYNPEGPDPEP-----PTTPKPATTFLLPLSEATTAMGYHLKTLTLNFTISNLQYS 338
      |: || | || | | : | |: | : :
Db      609 LDILKSPGFASPKIDSVAAQPTATSFVVYTRPAIS-----SFSSSGIGFG 653

Qy      339 PDMGKGSATFNSTEGVLQHLLRPLFQKSSMGPFYLGQLISLRPEKDGAATGVDT 393
      : ||: | | | : || | | |:|
Db      654 ESLKAGSSWQCDT-----CLLQNKVTDNKCICACQAALSPRDTAKQTGIET 699

```

RESULT 5

US-11-779-243-105

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; Sequence 105, Application US/11779243
; Publication No. US20080051462A1
; GENERAL INFORMATION:
; APPLICANT: FRITZ, LAWRENCE C.
; APPLICANT: BURROWS, FRANCIS J.
; TITLE OF INVENTION: METHODS FOR TREATING GENETICALLY-DEFINED PROLIFERATIVE

```

```

; TITLE OF INVENTION:  DISORDERS WITH HSP90 INHIBITORS
; FILE REFERENCE:  CON-0010-USN
; CURRENT APPLICATION NUMBER:  US/11/779,243
; CURRENT FILING DATE:  2007-07-17
; PRIOR APPLICATION NUMBER:  US/10/469,469
; PRIOR FILING DATE:  2003-08-27
; PRIOR APPLICATION NUMBER:  PCT/US02/06518
; PRIOR FILING DATE:  2002-03-01
; PRIOR APPLICATION NUMBER:  60/272,751
; PRIOR FILING DATE:  2001-03-01
; NUMBER OF SEQ ID NOS:  330
; SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 105
; LENGTH: 1395
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-779-243-105

```

Query Match 4.2%; Score 98; DB 2; Length 1395;
 Best Local Similarity 19.6%; Pred. No. 1.1;
 Matches 87; Conservative 67; Mismatches 149; Indels 142; Gaps 23;

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Qy      11  STPGTPTV-----YLGASKTPASIFGPSAASHLLILFTLNFT---ITN 50
      | ||| :           | ||: || : | :|           | : | :
Db      609  SLPGTIPAMDKTSMVNMSHANPLGADYFGANRHPAGLTFTPTAPG----FSFSFPGFLFPSP 663

Qy      51  LRYEENMWPGS---RKFNTTTER-----VLQGLLRPLFKNTSVG---PLY 88
      | : | | : : || :           | : | | | : || | :
Db      664  LYHRPPLIPASSPVKGLSSTEQTNKSQSPLMTHPQILPATQDILKALSKHPSVGDKNKPV 723

Qy      89  SGCRLTLRLPEK-----DGEATGVDAICTHRPDPTGPGLDREQLYLELSQLTH 136
      | : || :           | : : | : | | : | : | :
Db      724  -----LQPERSSSEERPFEKISDQSESDLDVVST---PSGSDLE-----TT 761

Qy      137  SITEL-GPYTLDRDSLTVNGFTHRSSV-PTTSTGVVSEEPFTLNFTINNLRVYADMGQPG 194
      | : | | : | : | | : | | : : : | : | : : :
Db      762  SGSDLESIEDSKKEFKENGKMFKDKVSPQLNLASINNKKKEYSNHSI----FSPSLEEQT 817

Qy      195  SLKFNITDNVMKHLSPFLQRSSLGARYTGCR-VIALRSVKNGAETRVDLLCTYLQPLSG 253
      : : : | : :           : | : : | | : : | : | |
Db      818  AVSGAVNDSIK-----AIASIAEKYFGSTGLVGLQDKKVG-----LPY 856

Qy      254  PGLPIKQVHFELSSQQTTHGI-----TRLGPYSLDKDSLVLNGYNE-----PGPDE 297
      | : | | : | : :           : : | | : | : | : |
Db      857  PSMFPLPFFPAFSQSMYPFPDRDLRSLPLKMBEQSPGSEVKKLQKGSSESPFDLTTRKDE 916

Qy      298  PPTTPKPATTFPLPPLSEATT-----AMGYHLKTLTLNFT---ISNLQYSPDMGKSATF 348
      | | | : | : | : | : | : | : | : | : | :
Db      917  KPLTPVPSK---PPVPTASQDQPLDLSMGSRSRASGKLTETPRKNHVFVGKKGSNVESR 973

Qy      349  NSTEGLVQHLL-RPLFQKSSMGPFY 372
      : : | | | | | | | |
Db      974  PASDGLQHARPTPFF---MDPIY 994

```


RESULT 6

US-11-624-750-7

; Sequence 7, Application US/11624750

; Publication No. US20080003642A1

; GENERAL INFORMATION:

; APPLICANT: Novozymes A/S

; TITLE OF INVENTION: CONSTRUCTION OF HYBRID ENZYMES

; FILE REFERENCE: 10574-000

; CURRENT APPLICATION NUMBER: US/11/624,750

; CURRENT FILING DATE: 2007-09-19

; NUMBER OF SEQ ID NOS: 29

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 7

; LENGTH: 718

; TYPE: PRT

; ORGANISM: Bacillus circulans

US-11-624-750-7

Query Match 4.0%; Score 94; DB 2; Length 718;

Best Local Similarity 19.3%; Pred. No. 1;

Matches 70; Conservative 45; Mismatches 128; Indels 120; Gaps 17;

```

Qy      40 ILFTLNFT-ITNLRYEENMWPGSRKFNTTTERVLQGLLRPLFKNTSVGPLYSGCRLLTLLRP 98
      | |:|: :|| | | :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      117 IFATINYSGVTNTAY-HGYW--ARDFKKTNP-----YFGTMADFQNL 155

Qy      99 EKDGATGVDAICHTRPDPTGPGLDREQLYLELSQLTHSITELGPYTLDRDSLTVNGFTH 158
      | |: : | : | | : : : | : | : | | | | | | | | | | | | | | | | | | | | |
Db      156 ITTAHAKGIKIVIDFAPNHTSPAMETDTSFAENGRLYDNGTLVGGYTND-----TNGYFH 210

Qy      159 R---SSVPTTSTGVVSEEFITLNFNTINN-----LRYMADMGQPGSLKFNITDNVM 205
      | | : | : | : | : | : | : | | | | | | | | | | | | | | | | | | | | | | | |
Db      211 HNGGSDFSLENGIYKNLYDLADFNHNHNATIDKYFKDAIKLWDMGVGDG----IRVDVAV 265

Qy      206 KHLISPL-FQRSSLGARYTGCRVIA----LRSVKNGAETRVDDLCTYLQPLSGPGL--- 256
      ||: || :|:| : : | | | | : : | : | : | | | | | | | | | | | | | | | | | |
Db      266 KHM--PLGWQKSWMSIYAHKPVFTFGEWFLGSAASDADN-----TDFANKSGMSLLDF 317

Qy      257 ----PIKQVFH-----ELSQQTHGITRLGPYSLDK----- 282
      : : | | : : | : | : : : | : | : : : | : | : : | : | : : | : | : | : | : |
Db      318 RFNSAVRNVFRDNTSNMYALDSMINSTATDYNQVNDQVTFIDNHMDRFKTSAVNNRRLE 377

Qy      283 -----DSLYLNGYNFEP-GPDEPPTTPKPAITTF-----LPPLSEATTA 318
      | | | : | : | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      378 QALAFITLTSRGVPAIYYGTEQYLITGNGDPDNRAKMPFSFKSTTAFNVISKLAPLRKSNPA 437

Qy      319 MGY 321
      : |
Db      438 IAY 440

```

RESULT 7

US-10-692-382-14

; Sequence 14, Application US/10692382

; Publication No. US20080039413A1

```

; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452002420
; CURRENT APPLICATION NUMBER: US/10/692,382
; CURRENT FILING DATE: 2007-09-25
; PRIOR APPLICATION NUMBER: US 10/691,209
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 3504
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 1002
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-692-382-14

```

```

Query Match          4.0%; Score 92; DB 1; Length 1002;
Best Local Similarity 24.0%; Pred. No. 2.5;
Matches 48; Conservative 24; Mismatches 90; Indels 38; Gaps 8;

```

```

Qy      136 HSITELGPYTLDRDSLYVNGFTH--RSSVPTTSTGV----VSEEPFTLNFTINNLRYMAD 189
      ||: || : || : || : || : || : || : || : || : || : ||
Db      237 HSVVELAKFG-GRDLRVLPSPFFHMTASIPLSQVSVVSPDHVSDSTVSARISDNSLAPVAD 295

Qy      190 MGQPGSLKFNITDNVMKHL--SPLFQRSSLGARYTGCRVIALRSVKNGAETRVDLLCTY 247
      | : : || | | || | | | : : || : ||
Db      296 FSYPAESSSCLDNSSAAKHLQVKPRNQSSKMRL-----SSRAQSESLSDLTCT- 345

Qy      248 LQPLSGPGLPIKQVFHELSSQQTGHTITRLGPYSLDKDLSYLNNGYNPEGPDEPPTTPKPATT 307
      | | : : : | : | : | | |
Db      346 -----P-----EEEEEEKPLLEVSP-----EERPSSGQQDVAPDRGPEPGPPAPL 386

Qy      308 FLPLSEATTAMGYHLKTLT 327
      | : | | | ||
Db      387 PPPGGARARRARLQHSSALT 406

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RESULT 8

US-10-692-382-1063

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; Sequence 1063, Application US/10692382
; Publication No. US20080039413A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452002420
; CURRENT APPLICATION NUMBER: US/10/692,382
; CURRENT FILING DATE: 2007-09-25
; PRIOR APPLICATION NUMBER: US 10/691,209
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 3504
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1063
; LENGTH: 1225

```

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-692-382-1063
```

```
Query Match          3.9%; Score 91; DB 1; Length 1225;
Best Local Similarity 21.9%; Pred. No. 4;
Matches    92; Conservative    46; Mismatches    168; Indels    114; Gaps    21;
```

```
Qy      59 PGSRKFNTERVLQGLLRPL-----FKNTSVGPLYSGCRLTLRPEKDGEATGVDAICTH 113
      |  ::::| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      627 PRVQRFHSTHNVPNGPLPPCADRRGLRLQSHSPSTDGGLRAYSPRPFSISENVAMEAVAA- 685

Qy      114 RPDPTGP---GLDREQLYLELSQLTHSITELGPYTLDRDSLYVNGFTHRSSVPTTSTGV 169
      | || | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      686 GVDGAGPEADLGLPEDDLVLP--DDVVQYIKAHASGALDEGTGQV-----YPTTESTG- 735

Qy      170 VSEEPFTLNFTINNRLRYM--AD-----MGQPGSLKFN----- 199
      | : | | : : | | | | | | | | | | | | | | | | | | | | | |
Db      736 FSDNPRLPSPGLHGQRRMVAADSNVGPSAPMLGGCQLGFGAPSSLNKNMMPVQWNEVSSG 795

Qy      200 ITDNVMKHLSPFLQRSSLG-----ARYTGCRIALRSVKNGAETRVDLLCTYLQPL 251
      | : | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      796 TVDSLASQVKPPFPQGNLAVVQKPAFGQYPG---YSPQGLQDGG---LDSTQPHLQPR 849

Qy      252 SG---PGLPIKQVFHLSQQTHG-----ITRLGPYSLDKDSLYLNGYNEPGPDEPPTT- 301
      || | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      850 SGAPSQGIPIRVNMQQLRQPVAGSQCPGMMTTMSPHAC-----YQGVHPQLSPSTII 900

Qy      302 -----PKPATTFLPPLSEAT---TAMGYHLKTLTLNFTIIS-----NLQYS 338
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      901 SGALNQFPQSCSNMPAKPGHLGHPQQTEVAPDPTTMGNRHRELGVPSAGVPPPHVQSY 960

Qy      339 PDMGKGSATFNSTEGVLQ--HLL---RPLQKSSMGPFYL---GCQLISLRPEKDGAATG 390
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      961 PQQSHHLAASMSQEGYHQVPSLLPARQPGFMETQGTGPMGVATAGFLVQPRPPLPESPTG 1020
```

RESULT 9

```
US-10-692-382-1065
; Sequence 1065, Application US/10692382
; Publication No. US20080039413A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER
; FILE REFERENCE: 529452002420
; CURRENT APPLICATION NUMBER: US/10/692,382
; CURRENT FILING DATE: 2007-09-25
; PRIOR APPLICATION NUMBER: US 10/691,209
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 3504
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1065
; LENGTH: 1242
; TYPE: PRT
```

; ORGANISM: Homo sapiens
US-10-692-382-1065

```

Query Match          3.9%; Score 91; DB 1; Length 1242;
Best Local Similarity 21.9%; Pred. No. 4.1;
Matches 92; Conservative 46; Mismatches 168; Indels 114; Gaps 21;

Qy      59 PGSRKFNTERVLQGLLRPL----FKNTSVGPLYSGCRLTLLRPEKDGEATGVDAICTH 113
      | ::::| | | | : | | | | ::::
Db      644 PRVQRFHSTHNVNPGPLPPCADRRGLRLQSHPSTDGGLRAYSPRPFSISENVAMEAVAA- 702

Qy      114 RPDPTGP----GLDREQLYLELSQLTHSITELGPYTLDRDSLYVNGFTHRSSVPTTSTGV 169
      | || | | : | | | | : | | | | || ||
Db      703 GVDGAGPEADLGLPEDDLVLP-DDVVQYIKAHASGALDEGTGQV-----YPTSTG- 752

Qy      170 VSEEPFTLNFTINNLRYM--AD-----MGQPGSLKFN----- 199
      | : | : :: | | || | | | |
Db      753 FSDNPRLPSPGLHGQRRMVAADSNVGPSAPMLGGCQLGFGAPSSLNKNMMPVQWNEVSSG 812

Qy      200 ITDNVMKHLSPFLQRSSLG-----ARYTGCVRVIALRSVKNGAETRVDLLCTYLQPL 251
      |:: : | | : | : | | : : :: | : | |
Db      813 TVDSLASQVKPPFPQGNLAVVQQKPAFGQYPG---YSPQGLQDGG---LDSTQPHLQPR 866

Qy      252 SG---PGLPIKQVFHELSSQTHG-----ITRLGPYSLDKDSLNGYNEPGFDEPPTT- 301
      || | : | : | | | | : | : | | : |
Db      867 SGAPSGQIPRVNMQQLRQPVAGSQCPGMTTITSPHAC-----YQVHPQLSPSTI 917

Qy      302 -----PKPATTFPLPLSEAT---TAMGYHLKTLTNFTIIS-----NLQYS 338
      | | | : | | | | : | : | : |
Db      918 SGALNQFPQSCSNMPAKPGHGLGHPQQTEVAPDPTTMGNRHRELGVPSAGVPPPHPVQSY 977

Qy      339 PDMGKGSATFNSTIEGVQ--HLL---RPLFQKSSMGPFYL---GCQLISLRPEKDGAATG 390
      | | | | | | : | : | : | | : | : |
Db      978 PQQSHHLAASMSQEGYHQVPSLLPARQPGFMEPQTGPMGVATAGFLVQPRPPLPSPSTG 1037

```

RESULT 10

US-10-692-382-1073

; Sequence 1073, Application US/10692382

; Publication No. US20080039413A1

; GENERAL INFORMATION:

; APPLICANT: David W. Morris

; APPLICANT: Marc S. Malandro

; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS IN CANCER

; FILE REFERENCE: 529452002420

; CURRENT APPLICATION NUMBER: US/10/692,382

; CURRENT FILING DATE: 2007-09-25

; PRIOR APPLICATION NUMBER: US 10/691,209

; PRIOR FILING DATE: 2003-10-21

; NUMBER OF SEQ ID NOS: 3504

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 1073

; LENGTH: 1242

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-692-382-1073

Query Match 3.9%; Score 91; DB 1; Length 1242;
 Best Local Similarity 21.9%; Pred. No. 4.1;
 Matches 92; Conservative 46; Mismatches 168; Indels 114; Gaps 21;

```

Qy      59 PGSRKFNFTTTERVLQGLLRPL----FKNTSVGLYSGCRLTLRLRPEKDGATGVDAICTH 113
      | :|:|:| | | | : | | | | :|:
Db      644 PRVQRFHSTHNVNPGPLPPCADRRGLRLQSHPSTDGGLRAYSPRPPSISENVAMEAVAA- 702

Qy      114 RPDPTGP---GLDREQLYLELSQLTHSITELGPYTLDRDSLYVNGFTHRSSVPTTSTGV 169
      | || | | :| | : | | | : | | ||
Db      703 GVDGAGPEADLGLPEDDLVLP--DDVVQYIKAHASGALDEGTGQV-----YPTSTG- 752

Qy      170 VSEEPFTLNFTINNLRYM--AD-----MGQPGSLKFN----- 199
      |:| : :|:| | | | | | | |
Db      753 FSDNPRLPSPGLHGQRRMVAADSNVGPSAPMLGGCQLGFGAPSSLNKNMNPVQWNEVSSG 812

Qy      200 ITDNVMKHLSPFLQRSSLG-----ARYTGCRVIALRSVKNGAETRVDLLCTYLQPL 251
      |:| : | | :| :| | : : :| :| |
Db      813 TVDSLASQVKPPFPFQGNLAVVQKPAFGQYPG---YSPQGLQDGG---LDSTQPHLQPR 866

Qy      252 SG---PGLPIKQVFHELSSQOTHG-----ITRLGPYSLDKDSLYLNGYNEPGFDEPPTT- 301
      || | |:| :| | | :| :| :| :| | |:|
Db      867 SGAPSQGIPRVNMQQLRPQVAGSQCPGTTTMSPHAC-----YQGVHPQLSPSTI 917

Qy      302 -----PKPATTFLPPLSEAT---TAMGYHLKTLTLNFTIS-----NLQYS 338
      || | :| | || :| : :| :|
Db      918 SGALNQFPQSCSNMPAKPGHLGHPQQTEVAPDPTTMGNRHRELGVPSAGVPPHPVQSY 977

Qy      339 PDMGKGSATFNSTEGVLQ---HLL---RPLFKSSSMGPFFYL---GCQLISLRPEKDGAAATG 390
      | | | | | | | | :| | :| | :| :| |
Db      978 PQQSHHLAASMSQEGYHQVPSLLPARQPGFMEPQTGPMGVATAGFGLVQPRPPLPSPITG 1037

```

RESULT 11

US-11-812-518-364

; Sequence 364, Application US/11812518

; Publication No. US20080014590A1

; GENERAL INFORMATION:

; APPLICANT: Comugen Ltd

; TITLE OF INVENTION: Novel Nucleotide and Amino Acid Sequences, and Assays and Methods

; TITLE OF INVENTION: of use thereof for Diagnosis of Prostate Cancer

; FILE REFERENCE: 1847.1003

; CURRENT APPLICATION NUMBER: US/11/812,518

; CURRENT FILING DATE: 2007-07-05

; NUMBER OF SEQ ID NOS: 575

; SEQ ID NO 364

; LENGTH: 1645

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-812-518-364

Query Match 3.9%; Score 91; DB 2; Length 1645;
 Best Local Similarity 23.1%; Pred. No. 6;

Matches 76; Conservative 48; Mismatches 129; Indels 76; Gaps 18;

```

Qy      120 PGLDREQLYLELSQ-----LTHSITE L GPYTLDRDSL YVNG-----FTHRSSVPTTS 166
      | | : | ||| | | | | : | : | | |
Db      1188 PDL SQVTLSPELSQTNLSPDL SH--TTLSPELIQRNLSPALGQMPISPDLSH----TTL 1240

Qy      167 TGVVSEEPFTLNFTINNLR YMADMGQPGSLKF NITDNVMKHL LSP LFQRSSLGARYTGCR 226
      : : | : | : | | | | : | : : | | : | :
Db      1241 SPDL SHTT LSLDLSQTNL-----SPELSQTNLSPALGQMP LSPDL SHTT LSLD LFSQT N 1293

Qy      227 VIALRSVKNGAETRVDLLCTYLQPLSGPGLPIKQV FHELSQQTHGI---TRLGPYSLDK 282
      | : : | | | | : | | : | | | | :
Db      1294 ---LSPELSHMTLSPELSQTNLSPALGQ-MPTSP---DLSHTT LSLD LFSQTNLSP-ELSQ 1345

Qy      283 DSYLNGYNEPGFDEPPTTPK PATTFL-----PPLSEATTAMGYHLKTLTLNFTI 332
      : | : | : | | | | | | : | : | : |
Db      1346 TNL-----SPALGQMPLSPDPSHTT LSLD LFSQTNLSPELS Q--TNLSPDLSEMP LFADL 1397

Qy      333 SNLQYSPDMGKG--SATFNSTEGVLQHLLRPLFQKSSMGPFYLG CQLISLRPEKDGAATG 390
      | : : | : | : | : | : | : | : | :
Db      1398 SQIPLTPDL DQMTLSPDLGETD-----LSPNFGQMSLSP---DLSQVTLSPDIS----- 1443

Qy      391 VDTTCTYHPDPVGPGLDIQQLYW--ELSQ 417
      || | : | | : | : : | |
Db      1444 -DTTLLPDL SQISPPPDLDQIFYPSESSQ 1471

```

RESULT 12

US-11-812-518-365

; Sequence 365, Application US/11812518

; Publication No. US20080014590A1

; GENERAL INFORMATION:

; APPLICANT: Compugen Ltd

; TITLE OF INVENTION: Novel Nucleotide and Amino Acid Sequences, and Assays and Methods

; TITLE OF INVENTION: of use thereof for Diagnosis of Prostate Cancer

; FILE REFERENCE: 1847.1003

; CURRENT APPLICATION NUMBER: US/11/812,518

; CURRENT FILING DATE: 2007-07-05

; NUMBER OF SEQ ID NOS: 575

; SEQ ID NO 365

; LENGTH: 2074

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-812-518-365

Query Match 3.9%; Score 91; DB 2; Length 2074;

Best Local Similarity 23.1%; Pred. No. 8.3;

Matches 76; Conservative 48; Mismatches 129; Indels 76; Gaps 18;

```

Qy      120 PGLDREQLYLELSQ-----LTHSITE L GPYTLDRDSL YVNG-----FTHRSSVPTTS 166
      | | : | ||| | | | | : | : | | |
Db      1188 PDL SQVTLSPELSQTNLSPDL SH--TTLSPELIQRNLSPALGQMPISPDLSH----TTL 1240

Qy      167 TGVVSEEPFTLNFTINNLR YMADMGQPGSLKF NITDNVMKHL LSP LFQRSSLGARYTGCR 226
      : : | : | : | | | | : | : : | | : | :

```

```

Db      1241 SPDLSHTTSLDLSQTNL-----SPELSQTNLSPALGQMPLSPDLSHTTSLDLSQTN 1293
Qy      227 VIALRSVKNGAETRVDLLCTYLQPLSGPLPIKQVHFELSQQTHGI----TRLGPYSLDK 282
      | : : | | | | : | | : | | : | | | | :
Db      1294 ---LSPELSHMTLSPELSQTNLSPALGQ-MPISP---DLSHTTSLDLSQTNLSP-ELSQ 1345
Qy      283 DSYLYNGYNEPGPDEPPTTPKPATTFL-----PPLSEATTAMGYHLKTLTLNFTI 332
      : | | : | : | | | | | | : | : | : | :
Db      1346 TNL-----SPALGQMPLSPDPSHTTSLDLSQTNLSPELSQ--TNLSPDLSEMP LFADL 1397
Qy      333 SNLQYSPDMGKG--SATFNSTEGVLQHLRLPLFQKSSMGPFYLGQCQLISLRPEKDGAAATG 390
      | : : | : | : | : | : | : | : | :
Db      1398 SQIPLTPDLQMTLSPDLGETD-----LSPNFGQMSLSP---DLSQVTLSPDIS----- 1443
Qy      391 VDTTCTYHPDPVPGGLDIQQLYW--ELSQ 417
      || | : | | : | : | | |
Db      1444 -DTTLPLDLSQISPPPDLDQIFYPSESSQ 1471

```

RESULT 13

US-11-812-518-392

; Sequence 392, Application US/11812518

; Publication No. US20080014590A1

; GENERAL INFORMATION:

; APPLICANT: Compugen Ltd

; TITLE OF INVENTION: Novel Nucleotide and Amino Acid Sequences, and Assays and Methods

; TITLE OF INVENTION: of use thereof for Diagnosis of Prostate Cancer

; FILE REFERENCE: 1847.1003

; CURRENT APPLICATION NUMBER: US/11/812,518

; CURRENT FILING DATE: 2007-07-05

; NUMBER OF SEQ ID NOS: 575

; SEQ ID NO 392

; LENGTH: 2224

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-812-518-392

Query Match 3.9%; Score 91; DB 2; Length 2224;

Best Local Similarity 23.1%; Pred. No. 9.2;

Matches 76; Conservative 48; Mismatches 129; Indels 76; Gaps 18;

```

Qy      120 PGLDREQLYLELSQ-----LIHSITELGPYTLDRDSLYVNG-----FTHRSSVPTTS 166
      | | : | || | | : | | | | : | : | |
Db      1188 PDLQVTLSPELSQTNLSPDLSH--TTLSPELIQRLNLSPALGQMPLSPDLSH-----TTL 1240
Qy      167 TGVVSEEPFTLNFTINNLRYMADMGQPGSLKFNITDNVMKHLSPFQRSSSLGARYTGCR 226
      : : | : | : | | | : | : : : | | : | :
Db      1241 SPDLSHTTSLDLSQTNL-----SPELSQTNLSPALGQMPLSPDLSHTTSLDLSQTN 1293
Qy      227 VIALRSVKNGAETRVDLLCTYLQPLSGPLPIKQVHFELSQQTHGI----TRLGPYSLDK 282
      | : : | | | | : | | : | | : | | | | :
Db      1294 ---LSPELSHMTLSPELSQTNLSPALGQ-MPISP---DLSHTTSLDLSQTNLSP-ELSQ 1345
Qy      283 DSYLYNGYNEPGPDEPPTTPKPATTFL-----PPLSEATTAMGYHLKTLTLNFTI 332
      : | | : | : | | | | | | | : | : | : | :

```

```

Db          1346  TNL-----SPALGQMPLSPDPSHTTSLDLSQTNLSPELSQ--TNLSPDLSEMPLFADL 1397
Qy          333  SNLQYSPDMGKG--SATFNSTEGVLQHLLRPLFQKSSMGPFYLCQLISLRPEKDGAATG 390
           | : :||: : | | : | | : | : | :|| | :
Db          1398  SQIPLTPDLQMTLSPDLGETD-----LSPNFGQMSLSP---DLSQVTLSPDIS----- 1443
Qy          391  VDTTCTYHPDPVGPGLDIQQLYW--ELSQ 417
           ||| : | | :|:: | ||
Db          1444  -DTLLPDLSQLISPPPDLDQIFYPSESSQ 1471

```

RESULT 14

```

US-11-812-518-393
; Sequence 393, Application US/11812518
; Publication No. US20080014590A1
; GENERAL INFORMATION:
; APPLICANT: CompuGen Ltd
; TITLE OF INVENTION: Novel Nucleotide and Amino Acid Sequences, and Assays and Methods
; TITLE OF INVENTION: of use thereof for Diagnosis of Prostate Cancer
; FILE REFERENCE: 1847.1003
; CURRENT APPLICATION NUMBER: US/11/812,518
; CURRENT FILING DATE: 2007-07-05
; NUMBER OF SEQ ID NOS: 575
; SEQ ID NO 393
; LENGTH: 2224
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-812-518-393

```

```

Query Match          3.9%; Score 91; DB 2; Length 2224;
Best Local Similarity 23.1%; Pred. No. 9.2;
Matches 76; Conservative 48; Mismatches 129; Indels 76; Gaps 18;

```

```

Qy          120  PGLDREQLYLELSQ-----LIHSITELGPYTLDRDSLIVNG-----FTHRSSVPTTS 166
           | | : | ||| | :| | | | : | : | : | |
Db          1188  PDLSQVTLSPELSQTNLSPDLSH---TTLSPELIQRNLSPALGQMPLSPDLSH-----TTL 1240
Qy          167  TGVVSEEPFTLNFTINNLRYMADMGQPGSLKFNITDNVMKHLISPLFQRSSLGARYTGCR 226
           : : | :| : : || | : | : : : || : : | :
Db          1241  SPDLSHTTSLDLSQTNL-----SPELSQTNLSPALGQMPLSPDLSHTTSLDLSFQTN 1293
Qy          227  VIALRSVKNGAETRVDLLCTYLQPLSGPLPIKQVFHELSSQQTHGI---TRLGPYSLDK 282
           | : : | | | | :|| :|| | : | | | | :
Db          1294  ---LSPELSHMTLSPELSQTNLSPALGQ-MPISP---DLSHTTSLDLSFQTNLSP-ELSQ 1345
Qy          283  DSYLYNGYNEPGPDEPPTTPKPATTFL-----PPLSEATTAMGYHLKTLTLNFTI 332
           :| | : | :| | : | | | || : | : | : | :
Db          1346  TNL-----SPALGQMPLSPDPSHTTSLDLSQTNLSPELSQ--TNLSPDLSEMPLFADL 1397
Qy          333  SNLQYSPDMGKG--SATFNSTEGVLQHLLRPLFQKSSMGPFYLCQLISLRPEKDGAATG 390
           | : :||: : | | : | | : | : | :|| | :
Db          1398  SQIPLTPDLQMTLSPDLGETD-----LSPNFGQMSLSP---DLSQVTLSPDIS----- 1443
Qy          391  VDTTCTYHPDPVGPGLDIQQLYW--ELSQ 417
           ||| : | | :|:: | ||

```


Db 1444 -DTTLLPDLSQLISPPDLDDQIFYPSESSQ 1471

RESULT 15

US-11-820-004-92

; Sequence 92, Application US/11820004

; Publication No. US20080008707A1

; GENERAL INFORMATION:

; APPLICANT: FREIMARK, BRUCE

; APPLICANT: VAN EPPS, DENNIS

; APPLICANT: CLARK, DEREK

; TITLE OF INVENTION: DENATURED COLLAGEN PEPTIDES AND USES THEREOF

; FILE REFERENCE: 30797-726.201

; CURRENT APPLICATION NUMBER: US/11/820,004

; CURRENT FILING DATE: 2007-06-28

; PRIOR APPLICATION NUMBER: 60/813,724

; PRIOR FILING DATE: 2006-06-14

; NUMBER OF SEQ ID NOS: 99

; SOFTWARE: PatentIn Ver. 3.3

; SEQ ID NO 92

; LENGTH: 2944

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-820-004-92

Query Match 3.9%; Score 90.5; DB 2; Length 2944;

Best Local Similarity 23.3%; Pred. No. 15;

Matches 90; Conservative 38; Mismatches 150; Indels 109; Gaps 17;

```

Qy      21 GASKTPASIFGPSAASHLLILFTLNFTITNLRYEENMWPGSRKFNTINTERVLQG----- 73
      |::||:|| | | | :| ||: : | || |
Db      321 GTARTTA-LEGPE-----LTIQNTTAHSLVAVRSPVGATGYRVTWVLSGGPTQQQE 372

Qy      74 -----LLRPLFKNT-----SVGPLYSGCRLTLRPEKDGATGVDAICTH 113
      ||| | | ||| | : | : | |
Db      373 LGPGQGSVLLRDLEPGTDYEVTVSTLFGRSVGPATS---LMARTDASVEQ-----TL 421

Qy      114 RPDPTGP-----GLDREQLYLELSQLT-HSITELGPYTLDR 148
      || || ||: | : | : | : | | |
Db      422 RPVILGPTSILLSWNLVPEARGYRLEWRRETGLEPPQKVVLPSDVTRYQLDGLQPGTEYR 481

Qy      149 DSLYVNGFTHRSSVPTTSGVVSEEFITLNFTINNRLRYMADMGQ-----PGSLKFN 199
      :|| | : | | | | : : | | ||: ::
Db      482 LTLYTLLEGHEVATPATVPTGPELPVS---PVTDLQATELPQGRVRSWSFVPGATQYR 538

Qy      200 I----TDNVMKHLSPFLQRS-----SLGARYTGCRVIALRSVKNGAETRVDDLCTYLQ 249
      | | | : | : | : | | | | : | : : :
Db      539 IIVRSTQGVERTLVLPQSQTAFDLDDVQAGLSYT--VRVSARVGPREGSASVLTVRREPET 597

Qy      250 PLSGPGPLPIKQVFEHLSQQTHGITRLGPYSLDKDSLYLNGYNEPGPDEPPTTPKPATTF 309
      ||: ||| : : | | || : : ||: | |
Db      598 PLAVPGLRV----VVSADATRVVAVGPVP--GASGFRISWSGTSGPPESSQT-----L 643

Qy      310 PPLSEATTAMGYHLKLTLTNFTISNLQ 336
      || | || | | | : | |

```

Db 644 PPDSTATDITGLQPGT-TYQVAVSVLR 669

Search completed: March 11, 2008, 01:51:08

Job time : 30 secs

SCORE=3.6